

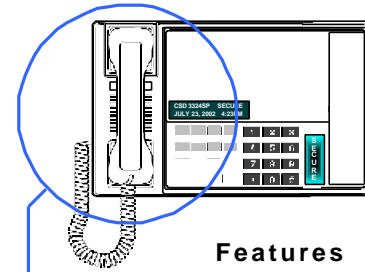
TCC

CSD 3324SP

Secure Telephone

Advanced Encryption Standard (AES) Security for Sensitive Government and Corporate Communications

CSD 3324SP Secure Telephone & FAX Encryptor



Integrated Voice and FAX Security

Voice Encryption

The *CSD 3324SP* Secure Telephone protects voice and FAX calls using Advanced Encryption Standard (AES) encryption engines powered by 256-bit Session Keys. The 9,600bps MPLP vocoder provides excellent recovered voice quality with automatic fallback to 4,800bps for poor quality lines.

Group 3 FAX Encryption

2-wire Group 3 Facsimile encryption is a standard feature. This feature is auto-answering / auto-sensing allowing incoming calls to be screened by the telephone. If the call is not a FAX call, the telephone “rings” giving the user a second chance to answer any incoming voice calls. Easy menu settings allow any incoming and outgoing FAX calls (Plain or Secure) to be handled, or the setting can be set to be Secure-Only allowing only Secure FAX exchanges.

Controlled Access

Access to the Secure FAX and Voice communication modes may be password restricted. Without this password, the *CSD 3324SP*'s functions are restricted to non-secure FAX and voice.

Physical Token Access Control

Physical Tokens support positive user authentication with optional Secure Teleconference Bridge operations.

Menu-Based Set-up

User-friendly menus allow logical set-up of the telephone's answering and FAX handling options.

Trusted Heritage

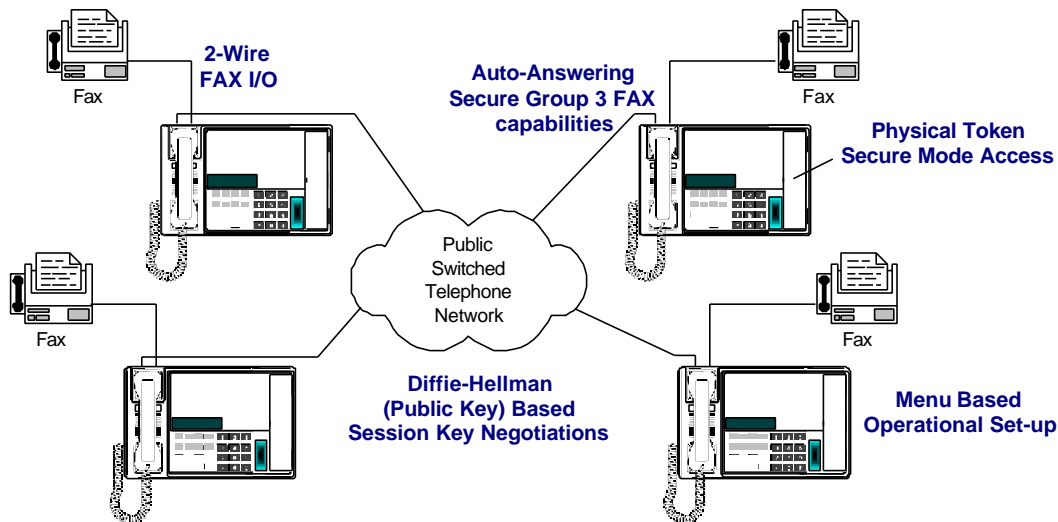
The *CSD 3324SP* secure telephone evolved directly from TCC's successful and internationally trusted *CSD 3324E* and *CSD 3324SE* secure telephone products - both of which are symmetric, or 'Secret' key based.

Features

- Advance Encryption Standard (AES-NIST)
- 256-Bit Session Key / Path-Independent IVs
- 1,024-bit Modulus Diffie-Hellman Public Key
- Auto-Sensing **Group 3 Secure FAX**
- Designed to **FIPS 140-2**
- Multiple Voice Encoding (Vocoder) Rates
- Secure Teleconferencing Option Available
 - > Physical Token-Controlled Access

Secure Voice Teleconferencing

CSD 3324SP telephones can voice teleconference using a TCC-custom designed, unattended, non-blocking bridge (the Secure Teleconference Bridge, or STB). The STB is available as a systems-level option by TCC, allowing up to 48 callers to conference on one or multiple secure voice calls. Automated device polling safeguards at the STB prevent call compromises.



Global Voice and FAX Telephone Security

TCC CSD 3324SP

specifications

voice & facsimile
security solution
for mission-critical
telephone
communications

General Features:

Easy Installation / Set-Up

- ◆ (1) Connect Power
- ◆ (2) Connect Phone Line
- ◆ Factory Configurations - user-changed (via Menus)

Stored Phone Numbers

- ◆ 20 Names and Phone Numbers
- ◆ Last Number Redial feature

Auto-Answer/FAX Sense

- ◆ User Configurable: # of Rings

Display & Keypad

- ◆ Display: 2-Lines x 16-Characters
 - ◆ Liquid Crystal Display
- ◆ 20 push-button Keypad
 - ◆ 12 button standard telephone keypad
 - ◆ 8 'function' key buttons

Dimensions & Weight

- ◆ Width 31.3cm (12.3 inches)
- ◆ Depth 27.2cm (10.7 inches)
- ◆ Height 10.3cm (4.1 inches)
- ◆ Weight 2.32kg (5.1 pounds) unpacked

Cryptographic:

Public Key Management

- ◆ *Diffie-Hellman Public Key* Negotiated Session Keys and Initialization Vectors (IVs)
- ◆ 1,024-bit *D-H* Modulus
- ◆ Six Authentication characters
 - ◆ Used to prevent 'Man-In-The-Middle' attacks

Key Generator

- ◆ Advance Encryption Standard (AES)
 - ◆ 256-bit Session Keys
- ◆ Dual AES Key Generators
 - ◆ Full Duplex
 - ◆ Unique Initialization Vectors

Security Features:

Secure Mode Access

- ◆ Secure Modes password

Menu Access Password Protection

- ◆ Protected Menu password: 'MAP'

Conference Access Protection

- ◆ *SmartModule* 'User Token'
 - ◆ Token enables Operation with Secure Teleconferencing Bridge
 - ◆ Used along with a Conference Access 'PIN'

Customer ('Red') Interfaces:

FAX Interface

- ◆ 2-Wire, RJ-11 Facsimile I/O
- ◆ Group 3 (9.6, 7.2, 4.8, & 2.4kbps)

Voice Interface

- ◆ 4-Wire Handset analog signal port (Modular RJ-8)
- ◆ Voice Digitization (Vocoders)
 - ◆ 9.6kbps MPLP
 - ◆ 4.8kbps CELP (fallback)

Line Side ('Black') Interface:

Telephone Line Interface

- ◆ 2-Wire, RJ-11 Phone Line I/O

Power

◆ Primary AC Power

- ◆ 100-240VAC 50/60Hz
- ◆ 9.5 Watts (nominal)

◆ Auxiliary DC Power

- ◆ Primary, or as Back-up to AC
- ◆ 10-30VDC / 7 Watts (nominal)

Environmental

- ◆ Operating Temperature
 - ◆ 0°C to +50°C
- ◆ Relative Humidity
 - ◆ 5% - 95% Non-condensing

Quality

As an ISO 9001 certified company, TCC designs, manufactures and supports high-grade secure communications systems that protect highly sensitive information transmitted over a wide range of data, voice and fax networks. Over 2,000 government/military agencies, financial institutions, telecom carriers and other multinational corporations worldwide rely on TCC to protect their communications networks.



TCC secures mission-critical networks for governments, corporations, and financial institutions around the world. With over 41 years of experience, TCC is the trusted supplier for organizations that place a high value on the confidentiality of their data and voice communications.

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